



	THE AFRICA ELECTRICITY SYMPOSIUM 2025 Kampala - Uganda
	THEME: "Powering Africa: Smart, Innovation, and Energy Sustainability for Growth"
East African Time	DAY 1
	Program Activity
	WEDNESDAY, 25TH June 2025
Venue	Méstil Hotel & Residences Kampala
07:30- 08:00	REGISTRATION OF PARTICIPANTS
07:30- 08:00	OPENING SESSION
	SESSION 1.1
	OPENING PLENARY: MC: Mr. Julius Wandera- Director Corporate and Consumer Affairs-ERA
	Opening Prayer - Frontier Energy Ltd
9:00 -9 :05	Arrival of the Chief Guest and Anthems
9:05 -9 :20	Remarks by CEO ERA (Uganda)
9:20 - 9:35	Remarks from the PS MEMD
9:35 - 10:00	Official Opening by the Minister of Energy
10:00 - 10:10	Photo and Exhibition Walk with Chief Guest
10:10 - 10:40	Health / Tea Break
10:40 - 11:00	Presentation: Global Trends in Energy Reforms
	Presenter: Mr. Patrick Mwesige-Energy Consultant, World Bank
11:00 - 12:30	The Role of the Law in enabling Just Energy Transition
	Panel Chair: Mr. Mubiru Richard - Board Member, UMA
	1. Mr. Peterson Mwesiga, MCI Arb- Partner Meritus Advocates

	2. Mrs. Dorah Nandugga Kabugo- Legal Specialist and Partner, Ortus Africa
	3. Mr. Peter Magelah Gwayaka- Executive Director, DENIVA
	4. Mr. Harold Obiga- Director Legal Services- ERA
	5. Mr. Patrick Mwesige-Energy Consultant, World Bank
12:30 - 13:00	Talk by Sponsors: Bujagali Energy Ltd and Get. Transform
13:00- 14:00	Lunch Break
	SESSION 1.2A
14:00-16:00	Sub-Theme 1: Regional Power Markets and Infrastructure Security
	Moderator: Dr. Geoffrey Okoboi- Director Economic Regulation- ERA
	Research Paper Presentations
	AES-031: Insights into Power Markets and Infrastructure Security in Africa
	Author: Bakampa Brian Baryaguma
	AES-008: Effects of Current Waves on 220kV Power Line Performance in Uganda.
	<i>Authors: Living Ounyesiga, Aryamanya Ronald and Abubakar Abudul</i>
	AES-050: Securing Energy Justice Through Metrics Across Sectors: Deconstructing Positive Energy District Cases
	<i>Author: Siddharth Sareen</i>
	AES-038: The Legal and Institutional Readiness of Uganda for The Eastern Africa Power Pool vis-a-vis Existing Regional Power Protocols
	<i>Author: Catherine Nansubuga</i>
	Discussion
	SESSION 1.2B
14:00-16:00	Sub-Theme 3: Decentralized and Off-Grid Energy Solutions
	Moderator: Eng. Judith Naiga Ssengendo
	Research Paper Presentations
	AES-029: Design and Simulation of an Automatic Generation Control (AGC) System for Real Time Power Balance of Uganda's Power Grid.
	<i>Authors: Christine Ampaire, Shillah Kagina and Jane Namaganda</i>
	AES-002: Estimating Electrical Load Characteristics of Households using A Naive Engineering Appliance Saturation Technique: Case of Uganda
	<i>Authors: Almas Sendegeya, Emmanuel Wokulira Miyingo and John Ssali Mbazzi</i>

	<p>AES-018: Understanding the Underutilization of Electric Pressure Cookers in Urban Uganda: Barriers, Motivators, and Policy Recommendations</p> <p><i>Authors: Reagan Kyomuhendo Muhimbo and Shem Christopher Luwandaga</i></p> <p>AES-006: Enhancing Energy Resilience in Higher Education: A Hybrid Solar and Efficiency Case from Uganda</p> <p><i>Authors: Vicent Rutagangibwa, Michael Atim, Arthur Nuzwagaba, Moreen Kabarungi, Julius Taremwa, Josephine Najjobyo and Robert Mugonza</i></p> <p>Discussion: Prof. David Ato Quansah- Senior Lecturer, Kwame Nkrumah University</p>
16:40	<p>Cocktail</p> <p>Departure at Leisure</p>
	END OF DAY ONE



DAY 2	
Thursday, 26TH June 2025	
8:30 - 08:50	REGISTRATION OF PARTICIPANTS
08:00- 08:30	ENTERTAINMENT: OPENING
8:30-9:00	SESSION 2.1
	Opening Plenary/ Recap of Day 1 and Activities For Day 2
9:00 -9:20	KEYNOTE ADDRESS: Powering Africa: Smart, Innovation, and Energy Sustainability for Growth"
	Keynote Speaker: Prof. Ignacio Perez
9:20-10:00	Panel Discussion
	Panel Chair: Mr. Simon Kasyate
	Discussants:
	1. Eng. Ziria Tibalwa Waako - CEO ERA
	2. Prof. Muyiwa Samuel Adaramola- Lecturer Renewable Energy, Norwegian University of Life Sciences
	3. Eng. Dr. Dorothy Okello- Dean School of Engineering Makerere University
10:00 - 10:30	Health / Tea Break
	Presentations
10:30 - 11:00	Opportunities for Private Investment in Electricity Transmission and Distribution Networks in Uganda- Prof. Ignacio Perez
11:00 - 11:20	Unpacking Corporate and Regulatory Finance in the Utility Sector - CPA Edward Iruura , ERA
11:20 - 11:40	Designing Inclusive Electricity Tariffs for Marginalised and Vulnerable Groups in Africa- Mr. Vianney Mutyaba , ERA
11:40 - 12:00	Discussion
	SESSION 2.2
12:00 - 13:00	Launch of the Electricity Supply Industry State of the Environment Report (ESSOER)
	Electricity Regulatory Authority, National Environment Management Authority, Ministry of Water and Environment
13:00 - 13:10	<i>Talk by Sponsors: Cable Corporation and Sanlam General Insurance</i>
13:10 - 14:00pm	Lunch Break

	SESSION 2.3A - Bunyonyi Hall
14:00 - 15:20	Sub-Theme 4: Energy Transition, Sustainability and Carbon Financing
	Moderator: Dr. Jane Namaganda
	Research Paper Presentations
	AES-028: Adoption and Experience of Solar Water Heating Systems Users in the Commercial Sector in Kenya
	<i>Authors: Sam Adaramola, Augustine B. Makokha and Lucy J Rono</i>
	AES-063: GIS - Enabled Decision Support Systems For Grid Modernization And Electricity Access
	<i>Author: Energy Sector GIS Working Group,</i>
	AES-064: Advancing Smart Grid Resilience in Uganda: The Role of Robotic Systems in Automated Power Line Monitoring and Fault Detection
	<i>Authors: Samuel Kangwagye, Perez Mukasa, and Maureen Nalubowa Ssempijja</i>
15:20 - 15:40	Discussion
	SESSION 2.3B - Main Conference Tent
14:00 - 15:20	Sub-Theme 5: Financing and Investment for Electricity Infrastructure
	Moderator: CFA. Joshua Karamagi- Managing Director, Uganda Electricity Transmission Company Ltd.
	Research Paper Presentations
	AES -048: Making Public-Private Partnerships Work as a Creative Source of Financing for Energy Infrastructure Projects in Africa
	<i>Authors: Julius Galisonga and Abba Kolo</i>
	AES -037: Innovative Blended Finance Structures for Large-Scale Hydropower in Frontier Markets: Evidence from Uganda
	<i>Authors: Nicholas Agaba Rugaba, Kenneth Legesi, and Isaac Arinaitwe</i>
	AES-030: Public-private partnership for energy infrastructure development - Case study of Chinese-financed power generation investments in sub-Saharan Africa
	<i>Author: Vianney Mutyaba</i>
15:20 - 15:40	Discussion
15:40 - 17:00	Oxford Style Debate: The House believes that "Africa's Energy Future depends more on Political Will than Technological Innovation."
	Moderator: Oscar Semweya Musoke
	Debaters:
	Proposition: 1. Mr. Angello Izama 2. Mr. Julius Galisonga
	Opposition: 3. Mr. Robert Kirunda 4. Ms. Manuela P. Mulondo
17:00	Health / Tea Break Session
	Departure at Leisure
	END OF DAY TWO

	DAY 3
	Friday, 27TH June 2025
	SESSION 3.1
08:00- 08:30	REGISTRATION OF PARTICIPANTS
08:00- 08:30	ENTERTAINMENT: OPENING
8:30 – 9:00	Recap of Day 2 Activities
	Session Chair: Eng. Samuel Kizito – Manager Planning and investment, ERA
9:00 - 10:00	The Future of Uganda's Electricity Sub-sector: Generation to Distribution
	Eng. Harrison Mutikanga – Managing Director, Uganda Electricity Generation Company Ltd.
	Mr. Joshua Karamagi – Managing Director, Uganda Electricity Transmission Company Ltd.
	Mr. Paul Mwesigwa – Managing Director, Uganda Electricity Distribution Company Ltd.
	Eng. Judith Nayiga Ssengendo – Director, Technical Regulation, ERA
10:00 - 10:30	Health / Tea Break
10:30 - 11:00	KEYNOTE ADDRESS 4: The Intelligent Grid: Balancing Innovation and Cybersecurity in Modern Power Systems
	Presenter: Hon. Nyombi Thembo -Executive Director - UCC
11:00 - 12:00	Panel Chair: Dr. Frank Ssebbowa
	1. Eng. Sylver Hategekimana
	2. Manager ICT - UETCL
	3. Stephen Mugabe – Manager Data Protection Affairs, PDPO
	4. Eng. Rachel Baalessanvu
	Discussion
	SESSION 3.2
	Sub-Theme 2: Energy Storage, Smart Grids, and Digital Innovations
	Moderator: Eng. Peter kakeeto
12:00 - 13:00	Research Paper Presentations
	AES-022: A Comprehensive Cybersecurity Framework for Uganda’s Smart Grids: Integrating Intrusion Detection Systems, Software-Defined Networking, and Awareness Training
	<i>Authors: Dickson Mugerwa and Wamema Joshua</i>
	AES-041: Integrated Solar-Powered Drone Docking Stations with Aviation Navigation Sensors for Sustainable Infrastructure Monitoring and Energy Access in Africa

	<i>Author: Dricho James</i>
	AES-034: A Maintenance Scheduling Tool for Kaplan Turbines
	<i>Authors: Bendicto Maseruka S., Samuel Walugembe, and Solomon Azarius Lubaale</i>
	Discussant: Prof. David Ato Quansah
13:00 - 14:00	Lunch Break
	SESSION 3.3
14:00 - 16:00	Sub-Theme 6: Policy, Regulation, and Governance in the Power Sector
	Moderator: Prof. Vijay Modi
	Research Paper Presentations
	AES-025: The impact of subsidies on clean cooking in Uganda: the case of cooking tariff and liquified petroleum gas starter kits
	<i>Author: Michael Kyanzi</i>
	AES-003: Promoting E-cooking and access to electricity to underserved areas- Case Study- Oloika Solar PV Mini-Grid, Kenya
	<i>Authors: Charles Ndungu and Daniel Gombe</i>
	AES-010: Patterns, Purchases, and Policy: Understanding Domestic Electricity Use in Rural and Peri-Urban Uganda
	<i>Authors: Joel Mugenyi, Hannington Natuhweera, Protaze Tibyakinura and Vijay Modi</i>
	AES- 016: Mapping Renewable Energy Transition and Policies on Uganda's Development: A Structural Vector Auto-Regression Approach
	<i>Author: Mohammed Osman Ali Hamid</i>
	AES-021: Energy Consumption and the Welfare of Ugandan Households: A Panel Analysis
	<i>Authors: Robert Wamulimah, Prof. Kaberuka Will, Dr. Dickson Turyareeba and Oryema John Bosco</i>
	AES-035: Policy, Regulation and Governance in the Power sector - Taxation of renewable Energy projects - Addressing policy challenges for renewable energy and energy access
	<i>Authors: Stephen Tumwesigye and Joseph Byaruhanga</i>
	Discussion
Closure of the AES 2025	Recognition and Awards: Sponsors and Authors
16:00 - 17:00	Closing Remarks

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